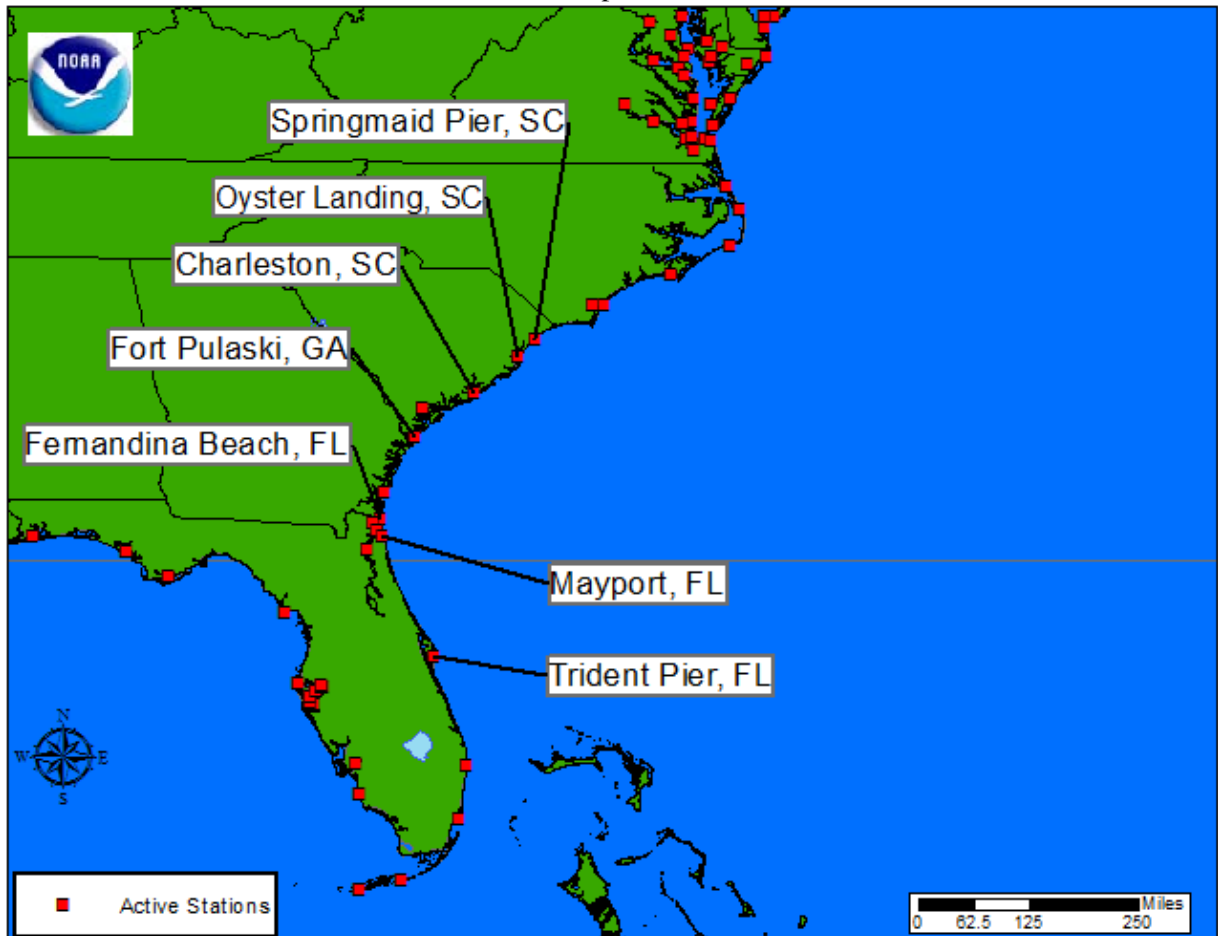




Tropical Depression BERYL QuickLook
Posted: 12:00 EDT 05/28/2012

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

No further QuickLooks will be posted for this storm unless oceanographic conditions warrant and/or the National Hurricane Center (NHC) issues a new tropical storm or hurricane warning for the U.S. or its territories.

As of 05/28/2012 12:00 EDT, water levels from South Carolina to central Florida are elevated. Water levels from Trident Pier, FL north to Charleston, SC are measuring between 0.6 and 0.9 feet above tidal predictions. Water levels along the South Carolina coast from Oyster Landing to Springmaid Pier are near tidal predictions. Winds are between 8 and 14 knots with gusts up to 21 kts. Barometric pressure is steady at many locations but is rising at Trident Pier, FL, Mayport, FL and Fernandina Beach, FL.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Tropical Depression BERYL QuickLook, POSTED 12:00 EDT 05/28/2012

Trident Pier, FL: Next predicted high tides are 3.1 ft (0.95 m) at 05/28/2012 14:02 EDT and 3.3 ft (1.03 m) at 05/29/2012 02:14 EDT.

Mayport (Bar Pilots Dock), FL: Next predicted high tides are 4.4 ft (1.34 m) at 05/28/2012 14:43 EDT and 4.5 ft (1.39 m) at 05/29/2012 02:58 EDT.

Fernandina Beach, FL: Next predicted high tides are 5.7 ft (1.74 m) at 05/28/2012 14:58 EDT and 5.9 ft (1.82 m) at 05/29/2012 03:14 EDT.

Fort Pulaski, GA: Next predicted high tides are 6.6 ft (2.00 m) at 05/28/2012 14:20 EDT and 7.0 ft (2.15 m) at 05/29/2012 02:35 EDT.

Charleston, SC: Next predicted high tides are 4.9 ft (1.51 m) at 05/28/2012 14:05 EDT and 5.3 ft (1.64 m) at 05/29/2012 02:12 EDT.

Oyster Landing (N. Inlet Estuary), SC: Next predicted high tides are 4.4 ft (1.35 m) at 05/28/2012 14:54 EDT and 4.6 ft (1.43 m) at 05/29/2012 03:09 EDT.

Springmaid Pier, SC: Next predicted high tides are 4.8 ft (1.45 m) at 05/28/2012 13:49 EDT and 5.0 ft (1.54 m) at 05/29/2012 01:54 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook Homepage](#).

Analyst:KG

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL DEPRESSION BERYL ADVISORY NUMBER 11

1100 AM EDT MON MAY 28 2012

...BERYL SOAKING PORTIONS OF NORTH FLORIDA AND SOUTH GEORGIA...MORE
RAIN TO COME...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

ALL COASTAL TROPICAL STORM WARNINGS HAVE BEEN DISCONTINUED.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

THERE ARE NO COASTAL WATCHES OR WARNINGS IN EFFECT.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA INCLUDING PLEASE MONITOR
PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST

OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1100 AM EDT...1500 UTC...THE CENTER OF RECENTLY DOWNGRADED TROPICAL DEPRESSION BERYL WAS LOCATED NEAR LATITUDE 30.5 NORTH ...LONGITUDE 82.7 WEST. THE DEPRESSION IS MOVING TOWARD THE WEST-NORTHWEST NEAR 6 MPH. A TURN TO THE NORTH IS EXPECTED LATER TODAY...FOLLOWED BY A SLOW TURN TO THE NORTHEAST ON TUESDAY.

ON THE FORECAST TRACK...THE DEPRESSION WILL CONTINUE TO MOVE OVER NORTHERN FLORIDA AND SOUTHEASTERN GEORGIA TODAY AND TUESDAY.

MAXIMUM SUSTAINED WINDS HAVE DECREASED TO NEAR 35 MPH... WITH HIGHER GUSTS MAINLY OVER WATER EAST OF THE CENTER. A GRADUAL WEAKENING IS FORECAST DURING THE NEXT DAY OR SO.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 1000 MB.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM FORCE WIND GUSTS ARE POSSIBLE ELSEWHERE OVER NORTHEASTERN FLORIDA AND SOUTHEASTERN GEORGIA TODAY...PARTICULARLY IN RAINBANDS.

STORM SURGE...THE COMBINATION OF A SUBSIDING STORM SURGE AND THE TIDE IS STILL CAUSING NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND DURING THE NEXT HIGH TIDE THIS AFTERNOON...

GEORGIA AND NORTHEASTERN FLORIDA...1 TO 2 FT

SURGE-RELATED FLOODING CAN VARY GREATLY OVER SHORT DISTANCES. FOR ADDITIONAL INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE STATEMENTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE.

SURF...DANGEROUS SURF CONDITIONS... INCLUDING RIP CURRENTS...ARE EXPECTED TO CONTINUE ALONG THE COAST FROM NORTHEASTERN FLORIDA TO NORTH CAROLINA TODAY. PLEASE SEE STATEMENTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE FOR INFORMATION SPECIFIC TO YOUR AREA.

RAINFALL...BERYL IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 4 TO 8 INCHES...WITH ISOLATED MAXIMUM AMOUNTS OF 12 INCHES...FROM NORTHERN FLORIDA THROUGH SOUTHEASTERN NORTH CAROLINA.

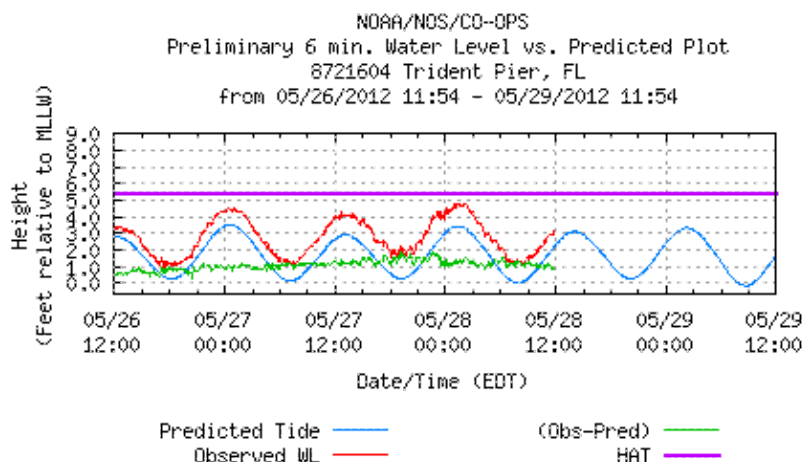
FORECASTER AVILA/CANGIALOSI

Tropical Depression BERYL QuickLook, POSTED 12:00 EDT 05/28/2012

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Trident Pier - Barometric](#), [Trident Pier - Air/Water Temp](#), [Mayport \(Bar Pilots Dock\) - Water Level](#), [Mayport \(Bar Pilots Dock\) - Barometric](#), [Mayport \(Bar Pilots Dock\) - Air/Water Temp](#), [Fernandina Beach - Water Level](#), [Fernandina Beach - Winds](#), [Fernandina Beach - Barometric](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Barometric](#), [Fort Pulaski - Air/Water Temp](#), [Charleston - Water Level](#), [Charleston - Winds](#), [Charleston - Barometric](#), [Charleston - Air/Water Temp](#), [Oyster Landing \(N. Inlet Estuary\) - Water Level](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Springmaid Pier - Barometric](#),

Trident Pier, FL - Return to List

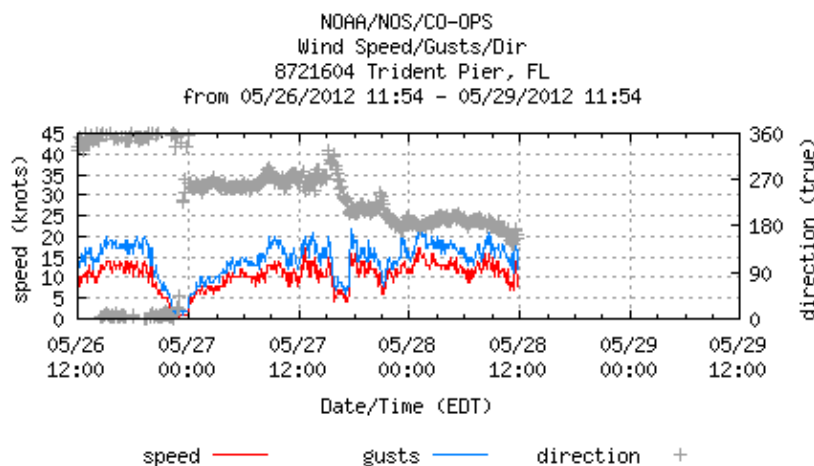


Last Observed Sample: 05/28/2012 11:48 (EDT)

Relative to MLLW: **Observed: 3.10 ft.** **Predicted: 2.19 ft.** **Residual: 0.91 ft.**

Historical Maximum Water Level: Sep 26 2004, 4.01 ft. above MHHW

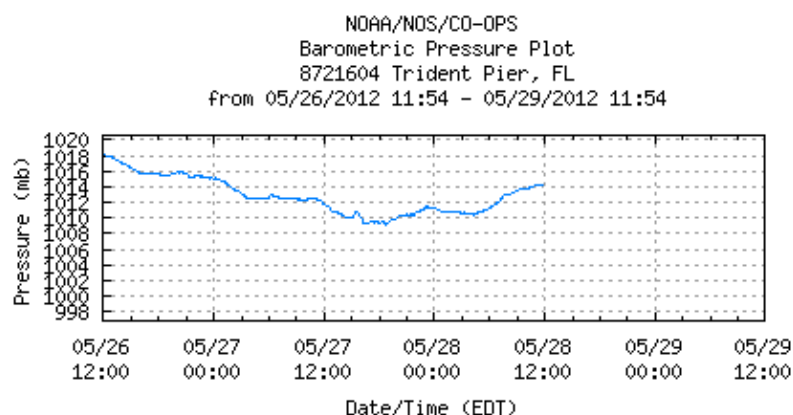
Trident Pier, FL - Return to List



Last Observed Sample: 05/28/2012 11:48 (EDT)

Wind Speed: 8 knots **Gusts: 12 knots** **Direction: 156° T**

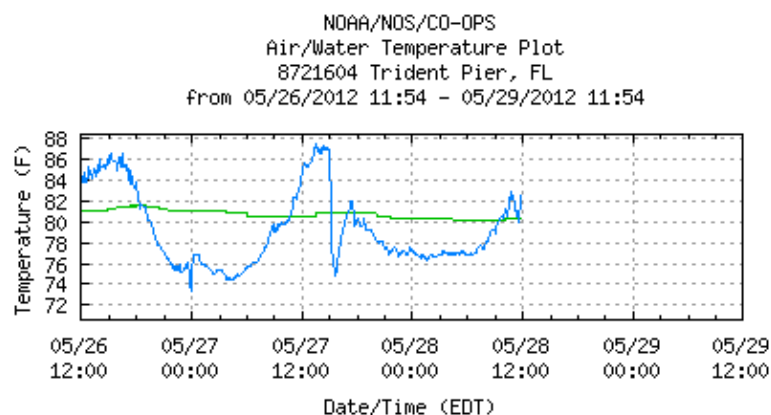
Trident Pier, FL - Return to List



Last Observed Sample: 05/28/2012 11:48 (EDT)

Barometric Pressure: 1014.2 mb

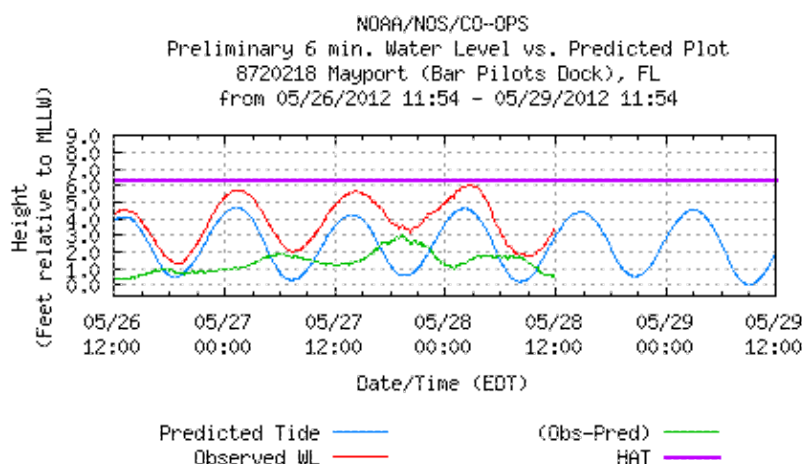
Trident Pier, FL - Return to List



Last Observed Sample: 05/28/2012 11:48 (EDT)

Water Temperature: 80.4° F Air Temperature: 82.6° F

Mayport (Bar Pilots Dock), FL - Return to List

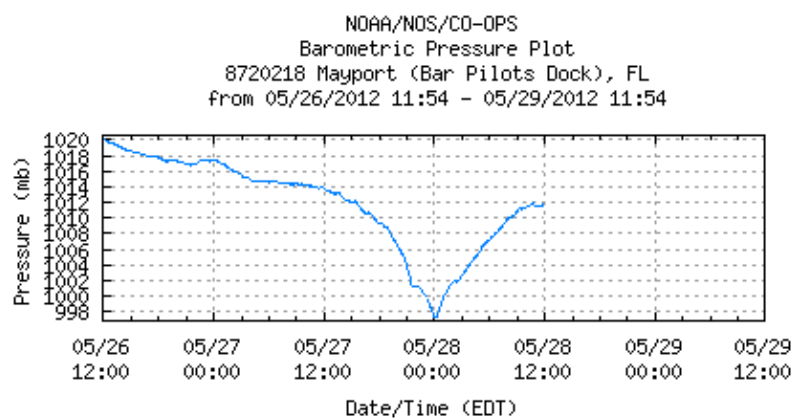


Last Observed Sample: 05/28/2012 11:48 (EDT)

Relative to MLLW: **Observed: 3.36 ft. Predicted: 2.81 ft. Residual: 0.55 ft.**

Historical Maximum Water Level: Sep 27 2004, 2.47 ft. above MHHW

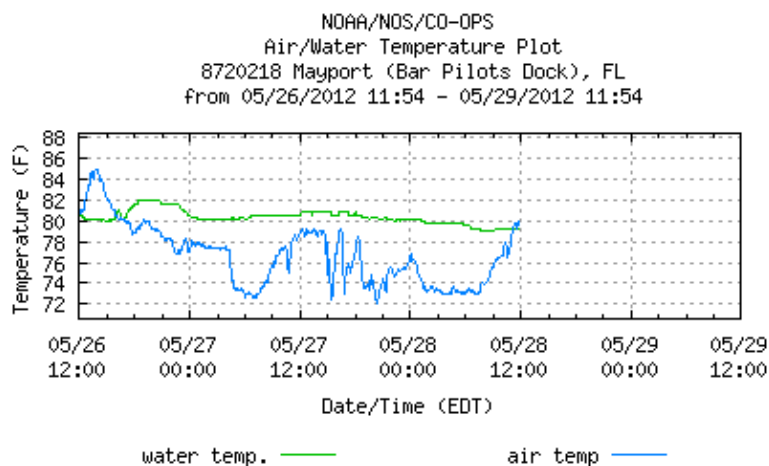
Mayport (Bar Pilots Dock), FL - Return to List



Last Observed Sample: 05/28/2012 11:48 (EDT)

Barometric Pressure: 1011.7 mb

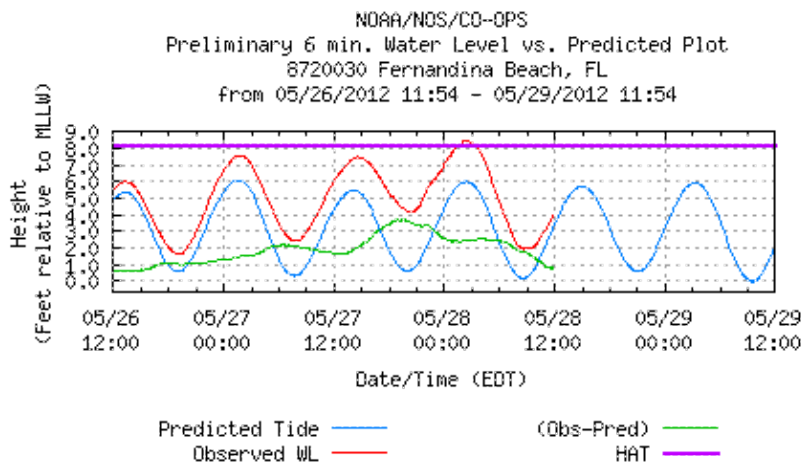
Mayport (Bar Pilots Dock), FL - Return to List



Last Observed Sample: 05/28/2012 11:48 (EDT)

Water Temperature: 79.3° F Air Temperature: 79.9° F

Fernandina Beach, FL - Return to List

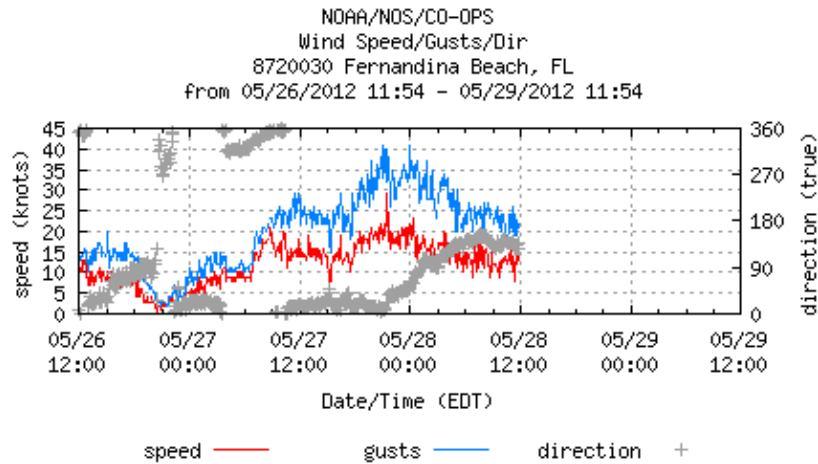


Last Observed Sample: 05/28/2012 11:48 (EDT)

Relative to MLLW: Observed: 4.01 ft. Predicted: 3.21 ft. Residual: 0.80 ft.

Historical Maximum Water Level: Oct 2 1898, 6.94 ft. above MHHW

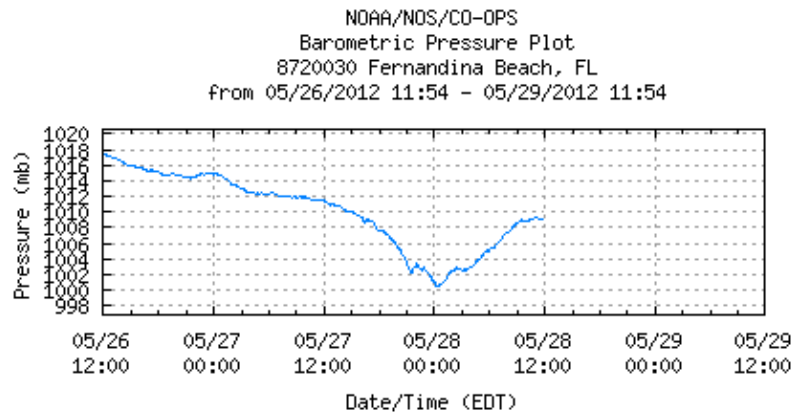
[Fernandina Beach, FL](#) - [Return to List](#)



Last Observed Sample: 05/28/2012 11:48 (EDT)

Wind Speed: 13 knots Gusts: 22 knots Direction: 139° T

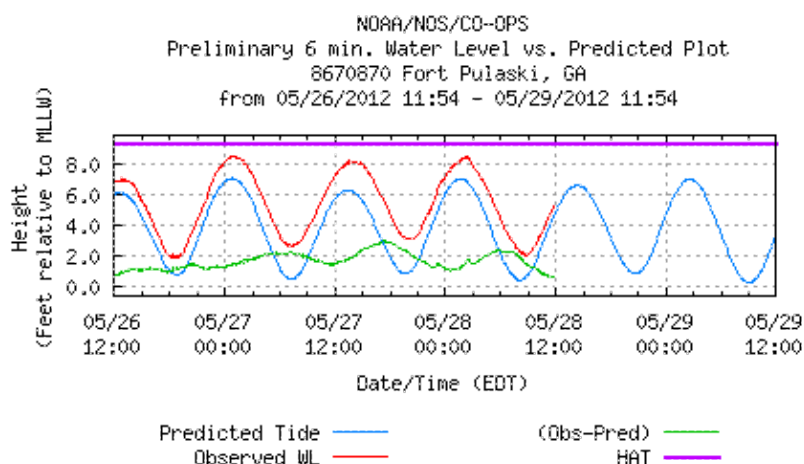
[Fernandina Beach, FL](#) - [Return to List](#)



Last Observed Sample: 05/28/2012 11:48 (EDT)

Barometric Pressure: 1009.0 mb

Fort Pulaski, GA - Return to List

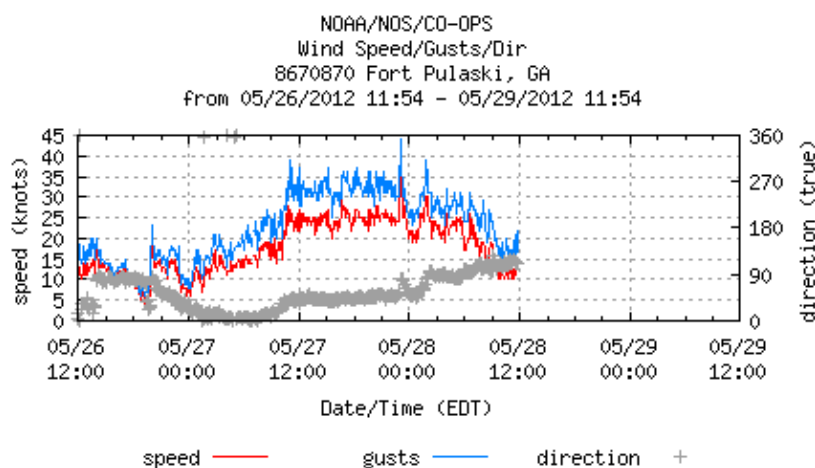


Last Observed Sample: 05/28/2012 11:48 (EDT)

Relative to MLLW: **Observed: 5.24 ft.** **Predicted: 4.62 ft.** **Residual: 0.62 ft.**

Historical Maximum Water Level: Oct 15 1947, 3.4 ft. above MHHW

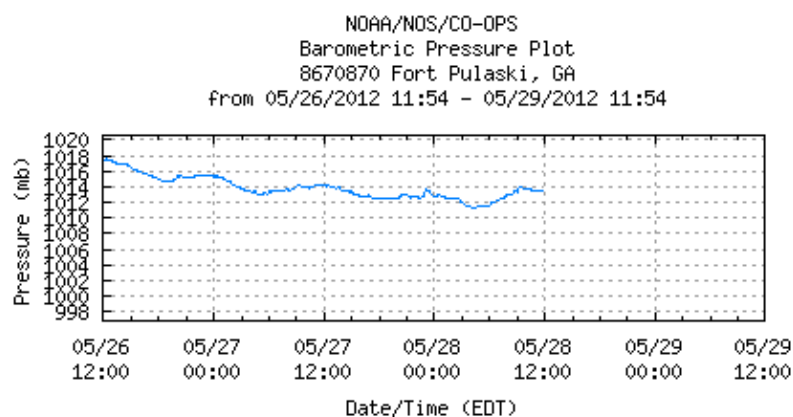
Fort Pulaski, GA - Return to List



Last Observed Sample: 05/28/2012 11:48 (EDT)

Wind Speed: 14 knots **Gusts: 22 knots** **Direction: 110° T**

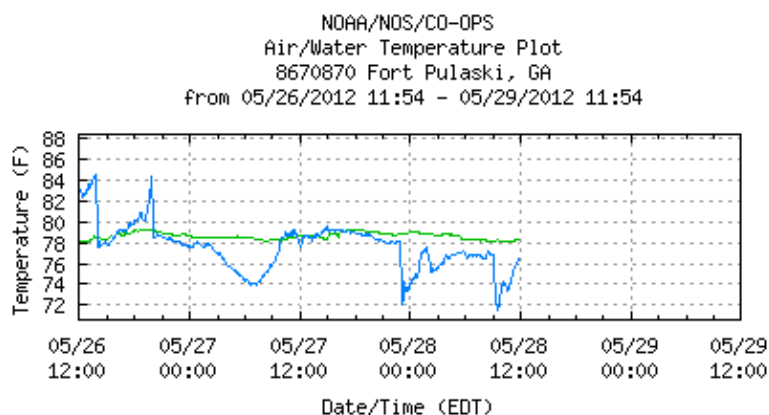
Fort Pulaski, GA - Return to List



Last Observed Sample: 05/28/2012 11:48 (EDT)

Barometric Pressure: 1013.6 mb

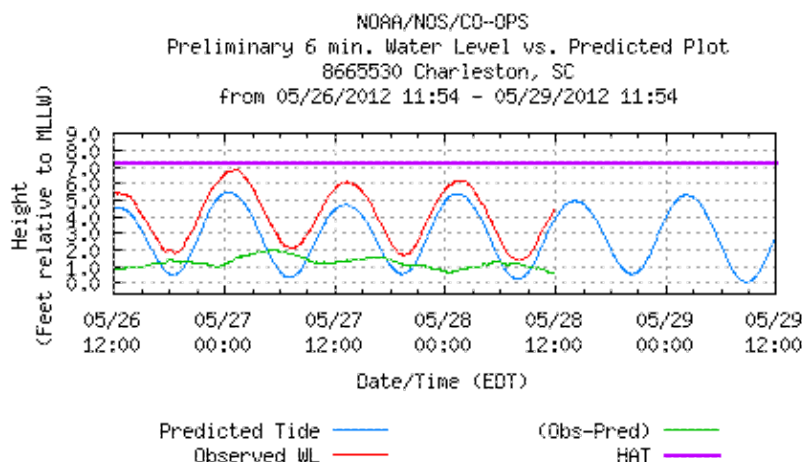
Fort Pulaski, GA - Return to List



Last Observed Sample: 05/28/2012 11:48 (EDT)

Water Temperature: 78.3° F Air Temperature: 76.5° F

[Charleston, SC - Return to List](#)

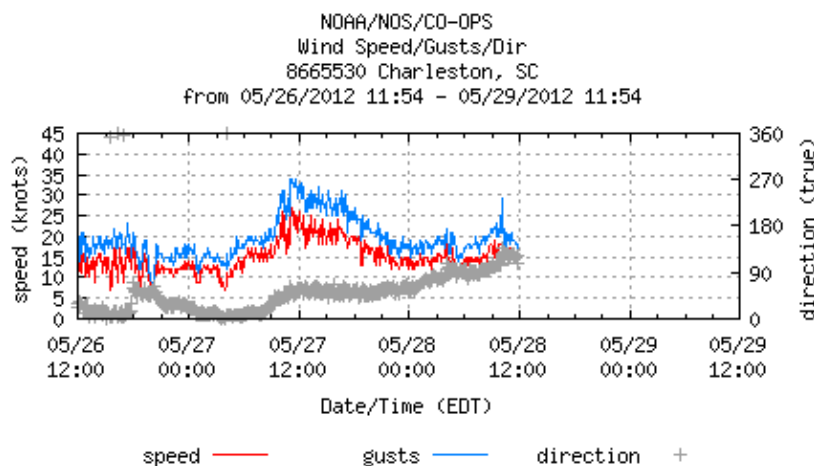


Last Observed Sample: 05/28/2012 11:48 (EDT)

Relative to MLLW: **Observed: 4.38 ft.** **Predicted: 3.78 ft.** **Residual: 0.60 ft.**

Historical Maximum Water Level: Sep 21 1989, 6.76 ft. above MHHW

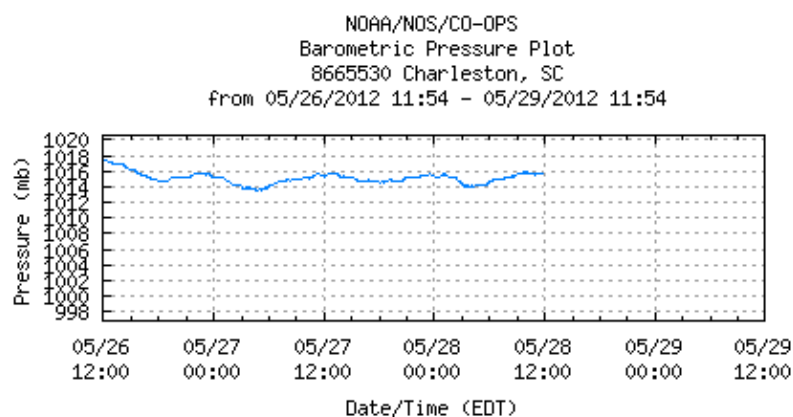
[Charleston, SC - Return to List](#)



Last Observed Sample: 05/28/2012 11:48 (EDT)

Wind Speed: 15 knots **Gusts: 18 knots** **Direction: 107° T**

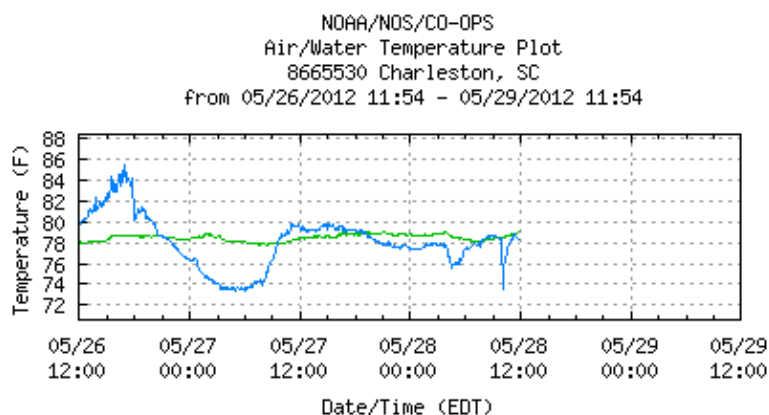
[Charleston, SC - Return to List](#)



Last Observed Sample: 05/28/2012 11:48 (EDT)

Barometric Pressure: 1015.7 mb

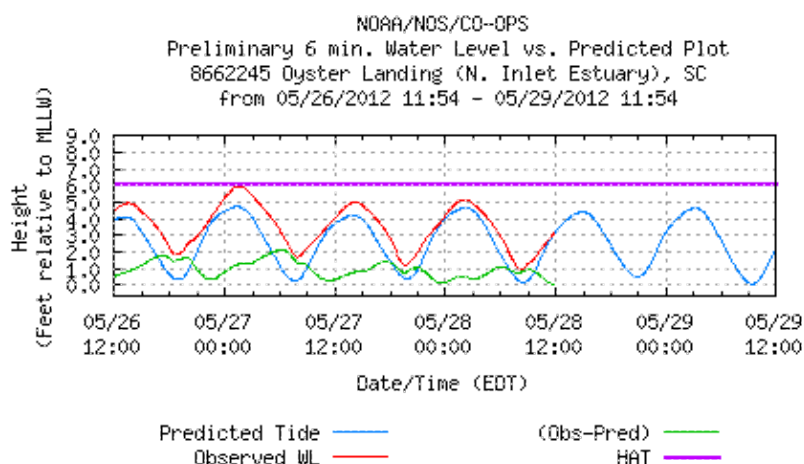
[Charleston, SC - Return to List](#)



Last Observed Sample: 05/28/2012 11:48 (EDT)

Water Temperature: 79.0° F Air Temperature: 78.3° F

Oyster Landing (N. Inlet Estuary), SC - [Return to List](#)

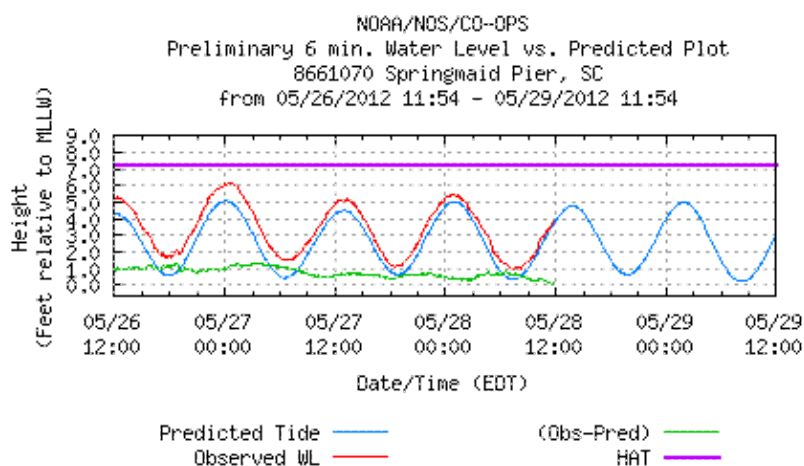


Last Observed Sample: 05/28/2012 11:48 (EDT)

Relative to MLLW: **Observed: 3.13 ft.** **Predicted: 3.09 ft.** **Residual: 0.04 ft.**

Historical Maximum Water Level: Aug 26 2011, 2.4 ft. above MHHW

Springmaid Pier, SC - [Return to List](#)

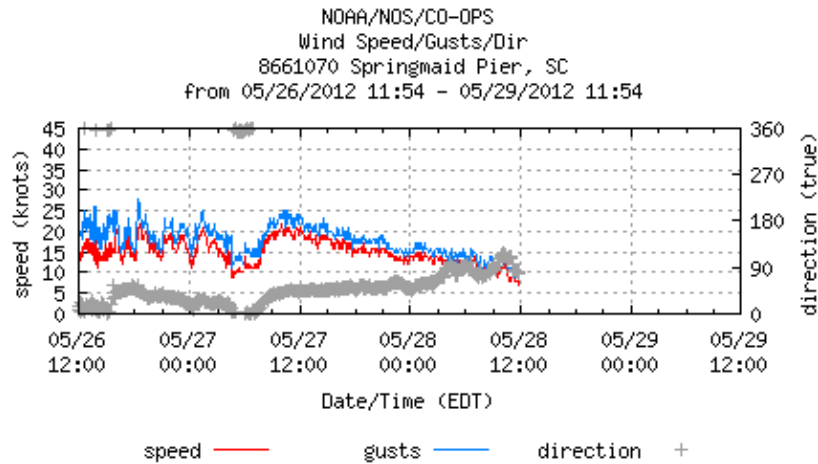


Last Observed Sample: 05/28/2012 11:48 (EDT)

Relative to MLLW: **Observed: 3.89 ft.** **Predicted: 3.73 ft.** **Residual: 0.16 ft.**

Historical Maximum Water Level: Jan 1 1987, 3.65 ft. above MHHW

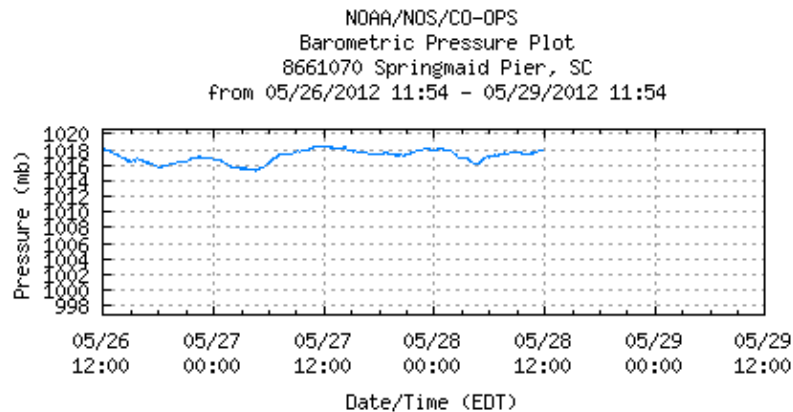
[Springmaid Pier, SC - Return to List](#)



Last Observed Sample: 05/28/2012 11:48 (EDT)

Wind Speed: 8 knots Gusts: 10 knots Direction: 77° T

[Springmaid Pier, SC - Return to List](#)



Last Observed Sample: 05/28/2012 11:48 (EDT)

Barometric Pressure: 1017.8 mb

Tropical Depression BERYL QuickLook, POSTED 12:00 EDT 05/28/2012

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce